

Title (en)  
MAGNETIC STRAIN WAVE GEAR DEVICE

Title (de)  
MAGNETISCHE SPANNUNGSWELLENGETRIEBEVORRICHTUNG

Title (fr)  
DISPOSITIF D'ENGRENAGE À ONDE DE CONTRAINTE MAGNÉTIQUE

Publication  
**EP 4383532 A1 20240612 (EN)**

Application  
**EP 21952686 A 20210802**

Priority  
JP 2021028562 W 20210802

Abstract (en)  
Provided is a magnetic strain wave gear device that makes it possible to achieve both improvement of the efficiency of assembly work and suppression of decrease in energy conversion efficiency. A magnetic strain wave gear device (1) includes: a stator (3) having a stator core (31), a stator winding (32), and a stator magnet (33); a first rotor (4); and a second rotor (5). The second rotor includes a second rotor core (51) provided with a plurality of rotor magnet insertion holes and a plurality of rotor magnets (52) inserted into the plurality of respective rotor magnet insertion holes. The first rotor includes a cylindrical first rotor core and a first rotor end plate (42). The first rotor end plate has a rotor magnet passage hole (42b) through which the rotor magnets can be inserted into the rotor insertion holes from outside in a direction of a rotation shaft.

IPC 8 full level  
**H02K 16/02** (2006.01)

CPC (source: EP US)  
**H02K 1/17** (2013.01 - EP); **H02K 1/223** (2013.01 - EP); **H02K 1/276** (2013.01 - EP); **H02K 1/278** (2013.01 - EP); **H02K 1/30** (2013.01 - EP); **H02K 21/16** (2013.01 - EP); **H02K 49/102** (2013.01 - EP US); **H02K 2213/12** (2013.01 - EP); **Y02E 10/72** (2013.01 - EP); **Y02T 10/64** (2013.01 - EP)

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